

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU2005/000457**

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <sup>7</sup> : B22D 23/06, 21/04, 41/62, F27D 23/04, F27B 14/08 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI IPC B22D 17/28, 17/20, 41/62, F27B 14/08 and Keywords (IMPELL+ or AGITAT+); USPTO and Keywords		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4322245 A (CLAXTON) 30 March 1982 See whole document	1-4
X	US 3935003 A (STEINKE et al.) 27 January 1976 See whole document	1-3
X	US 5908488 A (SCHRÖDER et al.) 1 June 1999 See whole document	1-3
X	US 4931091 A (WAITE et al.) 5 June 1990 See whole document	1-3
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 28 April 2005		Date of mailing of the international search report 04 MAY 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  <b>JOHN DEUIS</b> Telephone No : (02) 6283 2146

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	CA 2451735 A (ING. RAUCH FERTIGUNGSTECHNIK GMBH) 4 June 2004 See whole document	1-3
X	EP 0418481 A (VHG GIESSEREI UND HUETTENWERKS (DE)) 27 March 1991 See whole document	1, 3
X	US 5984999 A (ARE AUX) 16 November 1999 See whole document	1, 3
A	US 4572485 A (ENGELBERG et al.) 25 February 1986	1-17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

**PCT/AU2005/000457**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	4322245	US	4386764		
US	3935003	AU	86786/75	DE	2551716
		US	3973763	FR	2332510
US	5908488	AU	39258/95	CA	2180351
		EP	0738334	DE	4439214
				WO	9614439
US	4931091	AU	36337/89	BR	8902853
		EP	0347108	CN	1042189
		NO	892448	IN	2073928
				JP	2073928
				NZ	229501
				ZA	8904490
CA	2451735	DE	10256513	EP	1426455
EP	0418481	DD	298135	US	2004107799
US	5984999	AU	34898/99	WO	9953109
US	4572485	CH	654331	DE	3412964
		GB	2145431	FR	2551090
				JP	60070130
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					